IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.:   09/687,094

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Filing Date: 10/12/2000

Group Art Unit: 2172

PROPOSED CLAIM AMENDMENTS

What is claimed.

1. (Currently amended) A programmable apparatus comprising:

a first computer having a first computer memory containing a plurality of directory limits for the operating system of a second computer in a back up file;

a sender batch submission application interface in the first computer memory ;

a network connecting the first computer and the second computer;

the second computer having a second computer memory;

a receiver batch submission application interface in the second computer memory that only accepts a buffer and count;

the first computer being directed by the sender batch submission application interface to examine each record in the plurality of directory limits to determine whether a flag is not set or whether a path is not covered;, to identify

———identifying a record where a flag is not set or a path is not covered as an invalid record and any other record as valid record. ÷

——to place the valid records in a batch buffer and the invalid records in a failed buffer; and

to determine the number of records in the batch buffer and to transmit the buffer and count to the second computer; and

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the second computer, being directed by the receiver batch submission application interface, receives the buffer and count and performs an operation on each record in the buffer and count to add a directory, set a directory limit, or to get information if required to add a directory or to set a directory limit;

wherein said sender batch submission application interface directs said first computer to determine a total count of records in the file, to determine a total number of invalid records, and to determine a number by dividing the total number of invalid records by the by the total count of records in the file, and if the number is less than or equal to a predetermined number, then said sender batch submission application interface directs said first computer to send the buffer and count;

whereby transmission of data over the network when backing up and restoring directory limits in the operating system is reduced.

2. (Currently amended) The programmable apparatus of claim 1 ~~wherein said sender batch submission application interface directs said first computer to determine the total count of records in the file, to determine the total number of invalid records, and to determine a number by dividing the total number of invalid records by the by the total count of records in the file, , and where the number is less than or equal to a predetermined number, then said sender batch submission application interface directs said first computer to send the batch and count; and where~~wherein if the number is greater than the predetermined number, ~~,~~said sender batch submission application interface directs said first computer to display a report that an error threshold has been exceeded.

3. (Previously amended) The programmable apparatus of claim 1 wherein said receiver batch submission interface directs said second computer to perform an operation on each

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record, and where an operation on a record failed, to generate an error record.

4. (Currently amended) The programmable apparatus of claim 1 wherein said receiver batch submission interface directs said second computer to determine whether any records failed to be operated on and, responsive to a determination that there were records that failed to be operated on, to return the records that failed to be operated on to the first computer.

5. (Currently amended) The batch buffer and count of claim 1 wherein the count of records is equal to the total count of records in the backup file minus the number of invalid records.

6. (Currently amended) A computer readable memory for causing a first computer, having a file containing a plurality of records, to validate the plurality of records for transmission to a second computer comprising:

a computer readable storage medium;

an sender batch submission application interface stored in said storage medium;

the storage medium so configured by said sender batch submission application interface, causes the computer

to examine each record in a plurality of directory limits and to determine whether each record is a valid record or an invalid record;

to place the valid records in a batch buffer and the invalid records in a failed buffer ;

to determine the number of records in the batch buffer and to transmit a batch buffer and count to the second computer;

wherein a record is invalid if a flag is not set or a path is not covered, and any

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other record is valid; and

wherein the ~~batch~~ buffer and count is transmitted to ~~a~~the second computer so that a receiver batch submission application interface in a memory of the second computer can add a directory, set a directory limit or and get information in order to add a directory or to set a directory limit;

wherein said sender batch submission application interface directs said first computer to determine a total count of records in the file, to determine a total number of invalid records, and to determine a number by dividing the total number of invalid records by the total count of records in the file, and if the number is less than or equal to a predetermined number, then said sender batch submission application interface directs said computer to send the buffer and count;

whereby transmission of data over the network when backing up and restoring directory limits in the operating system is reduced.

7. (Currently amended) The sender batch submission application interface of claim 6, ~~wherein said SBSA directs said computer to determine the total count of records in the file, to determine the total number of invalid records, and to determine a number by dividing the total number of invalid records by the total count of records in the file, and where the number is less than or equal to a predetermined number, then said sender batch submission application interface directs said computer to send the batch and count;~~ and where the number is greater than the predetermined number, said sender batch submission application interface directs said computer to display a report that an error threshold has been exceeded.

8. (Currently amended) The ~~batch~~ buffer and count of claim 6 wherein the count of records is equal to the total number of records in the file containing a plurality of records

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minus the number of invalid records.

9. (Currently amended) A computer implemented process to accomplish pre-submission validation and batch submission of directory limits from a backup file comprising:

using a sender batch submission application interface in the memory of a first computer, performing the following steps;

    initializing a total count of records in a file and the total number of invalid records in the file;

    retrieving a record;

    adding one to the total count of records in the file;

    examining the record to determine whether a flag is not set or a path is not covered;

    identifying a record where a flag is not set or a path is not covered as an invalid record and any other record as a valid record;

    responsive to determining that there is a validation error in the record, adding one to the total number of invalid records in the file and storing the record in a failed buffer;

    responsive to determining that there is no validation error in the record; storing the record in a batch buffer;

    determining whether the last record has been retrieved;

    responsive to a determination that the last record has been retrieved, determining whether the total number of invalid records in the file is greater than zero;

    responsive to a determination that the total number of invalid records in the file is greater than zero, sending a batchbuffer and count.

    using a receiver batch submission application interface in the memory of a second computer, performing the following steps:

    receiving the ~~batch~~ buffer and count;

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retrieving a record;

determining whether the last record has been retrieved;

operating on the record to add a directory, set a directory limit or get information in order to add a directory or to set a directory limit and determining whether the operation failed; ~~and~~

responsive to a determination that the operation failed, generating an error record;

responsive_to_determining_that_the_last record has been retrieved, determining whether there have been any failures; and

responsive to a determination that there have been failures, returning the error records:

whereby transmission of data over the network when backing up and restoring directory limits in the operating system is reduced.

10. (Cancelled_~~Currently amended~~) ~~The computer implemented process of claim 9 wherein, using the receiver batch submission application interface in the memory of the second computer, performing the follow steps:~~

~~responsive to determining that the last record has been retrieved, determining whether there have been any failures; and~~

~~responsive to a determination that there have been failures, returning the error records.~~

11. (Previously amended) The computer implemented process of claim 9 wherein the count of records is equal to the total number of records in the backup file minus the number of invalid records.

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12. (Currently amended) A method for reducing remote application interface network traffic and increasing application interface performance in a network having a first computer and a second computer comprising:

validating a plurality of records in a back up file, comprising a plurality of directory limits for the operating system of a second computer, prior to submission in the first computer by examining each of the plurality of records to determine whether a flag is not set or a path is not covered;

identifying a record where a flag is not set or a path is not covered as an invalid record and any other record as a valid record;

storing said records in a ~~batch~~ buffer and count

storing an invalid record in a failed buffer and storing a valid record in a batch buffer; and

calculating a count of records equal to the count of total records read in the validating records prior to submission step minus the number of invalid records;

transmitting said ~~batch~~ buffer and count to said second computer;

receiving said ~~batch~~ buffer and count in said second computer; and

operating on said records in said second computer to add a directory, set a directory limit or get information in order to add a directory or to set a directory limit;

whereby transmission of data over the network when backing up and restoring directory limits in the operating system is reduced.

13. (Previously amended) The validating records prior to submission of claim 12 further comprising the steps of:

initializing a total count of records in a file and the total number of invalid records in the file;

retrieving a record;

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adding one to the total count of records in the file; and

responsive to determining that there is a validation error, adding one to the total number of invalid records in the file.

14. (Cancelled ~~Currently amended) The method of claim 12 wherein the storing step further comprises the steps of:~~

~~storing an invalid record in a failed buffer, and storing a valid record in a batch buffer; and~~

~~calculating a count of records equal to the count of total records read in the validating records prior to submission step minus the number of invalid records.~~

15. (Currently amended) The method of claim 12 wherein the sending step further comprises the steps of:

responsive to a determination that the last record has been retrieved, determining whether the total number of invalid records in the file is greater than zero;

responsive to a determination that the total number of invalid records in the file is greater than zero, transmitting the ~~batch~~ buffer and count.

16. (Previously amended) The method of claim 12 wherein the operating step further comprises the steps of:

operating on the record and determining whether the operation failed; and

responsive to a determination that the operation failed, generating an error record.

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